

IN THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of claims in the application:

1-11 (canceled)

12. (Currently Amended) A method for operating a defroster ~~heating~~ heater of a refrigeration device, comprising:

a) recording a voltage value of ~~the~~ a supply voltage for the defroster ~~heating~~ heater;

b) generating a pulse-duty ratio for ~~the~~ a pulsed supply current for said defroster ~~heating~~ heater depending on said recorded voltage value; and

c) supplying said defroster ~~heating~~ heater with said pulsed supply current keyed according to said generated pulse-duty ratio, for a fixed heating interval.

13. (Currently Amended) The method according to claim 12, ~~including~~ further comprising generating said pulse-duty ratio as a decreasing step function of said recorded voltage value.

14. (Currently Amended) The method according to claim 13, ~~including~~ further comprising forming at least two discrete values for said step function in a predetermined permissible range of fluctuation of said voltage value.

15. (Currently Amended) The method according to claim 13, ~~including~~ further comprising dividing the value range of said voltage value into a plurality of intervals, for

each said interval assigning a fixed pulse-duty ratio and providing a ratio of upper to lower limit of each interval of between 1.1 and 1.2.

16. (Currently Amended) The method according to claim 13, including further comprising assigning a pulse-duty ratio of 1 to voltage values below at least 150 VAC ~~and a pulse-duty ratio of 1.~~

17. (Currently Amended) The method according to claim ~~16~~ 13, ~~including~~ further comprising assigning a pulse-duty ratio of 1 to voltage values below at least 165 VAC ~~and a pulse-duty ratio of 1.~~

18. (Currently Amended) The method according to claim 12, ~~including said supply current is an indirect alternating frequency current and keying said supply current with a keyed frequency, which is a fraction of said supply current alternating frequency wherein the fixed heating interval includes a substantial number of cycles of an alternating current provided by the voltage supply.~~

19. (Currently Amended) A refrigeration device, comprising:
an integrated defroster heater;
a voltage supply coupled to said defroster heater;
a recording circuit coupled to said voltage supply for recording a voltage value supplied to said defroster heater;
said recording circuit generating a keyed control signal with a pulse-duty ratio dependent on the recorded voltage value; and

a circuit breaker activated by said control signal for pulsing a ~~the~~ supply current fed to said defroster heater for a fixed heating interval.

20. (Currently Amended) The refrigeration device according to claim 19, ~~including wherein~~ said pulse-duty ratio is generated as a decreasing step function of said recorded voltage value.

21. (Currently Amended) The refrigeration device according to claim 20, ~~including wherein~~ said step function has at least two discrete values.

22. (Currently Amended) The refrigeration device according to claim ~~21~~ 20, ~~including wherein~~ said step function has three or more discrete values.

23. (Currently Amended) The refrigeration device according to claim 20, ~~including wherein~~ said value range of said voltage value is divided into a plurality of intervals, each said interval has a fixed pulse-duty ratio assigned, and the ratio from upper to lower limit of each said interval is between 1.1 and 1.2.

24. (Currently Amended) The refrigeration device according to claim 19, ~~including wherein~~ said recording circuit assigns voltage values below 150 VAC and a pulse-duty ratio of 1.

25. (Currently Amended) The refrigeration device according to claim ~~24~~ 19, ~~including wherein~~ said recording circuit assigns voltage values below 165 VAC and a pulse-duty ratio of 1.

26. (Currently Amended) The refrigeration device according to claim 19, ~~including said voltage supply provides an indirect alternating frequency current and said recording circuit keying said supply current with a keyed frequency, which is a fraction of said supply current alternating frequency~~ wherein the fixed heating interval includes a substantial number of cycles of an alternating current provided by the voltage supply.